Claims

1. A mobile joint (1) suitable for a sitting device, comprising a first and second joint element (10,20), which are pivotally connected by a shaft (3), to allow tilting of the sitting device caused by the displacement of the users weight,
characterized in that it comprises a first and second parallel plate spring (18,19) with first and second ends, with an intermediate blocking element (11), wherein each plate spring (18,19) in the first end are connected to the first joint element (10), and in the second end are glidingly abutting the second joint element (20), the first and second plate spring (18,19) each having an axis of rotation that is displaced in relation to each other and the shaft (3).

2. Mobile joint (1) according to claim 1
characterized in that the springs (18, 19) abut curved faces (22, 23) on the blocking device (11) when deflected.

3. Mobile joint (1) according to claim 1-2,
characterized in that the spring is adjustable by adjusting the distance from the axis of rotation of the shaft (30) to the fixing of the springs (18, 19).

4. Mobile joint according to claim 1-3,
characterized in that the springs are made of fibreglass.

5. Mobile joint according to claim 4
characterized in that the fibreglass is reinforced by means of carbon and/or kevlar.

6. Mobile joint according to claim 1-5,
characterized in that the springs are divided into two or more parallel spring blades having different

thicknesses in relation to each other, and/or, are differently displaced in distance to the shaft 3, providing progressively increasing spring resistance as the upper joint element 20 subsequently connects with more spring blades during rotation.

7. Mobile joint according to claim 1-6, characterized in that the outside dimensions of the joint (1) is approximately 8 cm x 10 cm x 8 cm (height x width x length).

8. Use of the mobile joint (1) formed according to one of the preceding claims in a chair comprising a seat device (100) and an underframe (200) wherein the mobile joint (1) connects the seat device (100) and the underframe (200).

9. Use according to claim 8 wherein the mobile joint (1) is integrated in the seat device (100).